

## PATENT COOPERATION TREATY

Alston &amp; Bird

APR 19 2004

From the INTERNATIONAL SEARCHING AUTHORITY

PCT


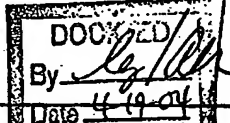
NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

To: ALSTON & BIRD LLP Bank of America Plaza Attn. Carlin, Gregory J. 101 South Tryon Street Suite 4000 Charlotte, NC 28280-4000 UNITED STATES OF AMERICA
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Date of mailing (day/month/year)	16/04/2004
Applicant's or agent's file reference 38569/268117	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 03/25029	International filing date (day/month/year) 08/08/2003
Applicant HONEYWELL INTERNATIONAL INC.	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.  
**Filing of amendments and statement under Article 18:**  
The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):  
**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.  
**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35  
For more detailed instructions, see the notes on the accompanying sheet.
2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:  
☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  
☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.
4. **Further action(s):** The applicant is reminded of the following:  
Shortly after 18 months from the priority date, the International application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the International application, or of the priority claim, must reach the International Bureau as provided in Rules 90b/s.1 and 90b/s.3, respectively, before the completion of the technical preparations for International publication.  
Within 19 months from the priority date, a demand for International preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).  
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Line. Wagnersen	
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Form PCT/ISA/220 (July 1998)

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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>38569/268117</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 03/25029</b>	International filing date (day/month/year) <b>08/08/2003</b>	(Earliest) Priority Date (day/month/year)
Applicant <b>HONEYWELL INTERNATIONAL INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the International search was carried out on the basis of the International application in the language in which it was filed, unless otherwise indicated under this item.

☐ the International search was carried out on the basis of a translation of the International application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the International application, the International search was carried out on the basis of the sequence listing:

☐ contained in the International application in written form.

☐ filed together with the International application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the International application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

3  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

 International Application No  
 PCT/US 03/25029

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 F02B37/12 F02M25/07 F02B29/04 F02M35/02 F02B37/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 F02B F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 04, 4 August 2002 (2002-08-04) & JP 2001 355453 A (TAKEMOTO SHIGETO), 26 December 2001 (2001-12-26) abstract	1,28-35
X	GB 2 244 312 A (MOTOREN TURBINEN UNION) 27 November 1991 (1991-11-27)  page 4, line 12 - line 33 page 6, line 4 - page 7, line 9 page 8, line 10 - page 9, line 1 page 13, line 4 - line 28; figure 4	1-4, 8-11, 28-33
X	GB 2 163 483 A (SOLEX) 26 February 1986 (1986-02-26) page 2, line 29 - line 54; figure 1  -/-	1,28-35

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the International filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*&amp;\* document member of the same patent family

Date of the actual completion of the International search

7 April 2004

Date of mailing of the International search report

16/04/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax (+31-70) 340-3016

Authorized officer

Pilleri, P

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/25029

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 355 677 A (HAWKINS JEFFERY S ET AL) 18 October 1994 (1994-10-18) column 3, line 7 - line 37 -----	1
A	US 4 394 812 A (MEZGER HANS) 26 July 1983 (1983-07-26) column 3, line 3 - line 17; figure 1 -----	1
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 051 (M-457), 28 February 1986 (1986-02-28) & JP 60 201025 A (MAZDA KK), 11 October 1985 (1985-10-11) abstract -----	6
A	DE 41 18 265 A (VOLKSWAGENWERK AG) 19 December 1991 (1991-12-19) column 1, line 55 -column 2, line 25 -----	6

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/25029

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2001355453	A	26-12-2001	NONE	
GB 2244312	A	27-11-1991	DE 4016776 A1 FR 2660695 A1 IT 1256997 B US 5157924 A	17-10-1991 11-10-1991 27-12-1995 27-10-1992
GB 2163483	A	26-02-1986	NONE	
US 5355677	A	18-10-1994	US 5269144 A AU 659874 B2 AU 2591392 A BR 9206478 A CA 2115072 A1 EP 0604524 A1 JP 2633988 B2 JP 6510584 T KR 9701460 B1 WO 9305289 A2	14-12-1993 01-06-1995 05-04-1993 31-10-1995 18-03-1993 06-07-1994 23-07-1997 24-11-1994 06-02-1997 18-03-1993
US 4394812	A	26-07-1983	DE 3011203 A1 FR 2478737 A1 GB 2072747 A ,B IT 1139023 B SE 454617 B SE 8101787 A	01-10-1981 25-09-1981 07-10-1981 17-09-1986 16-05-1988 23-09-1981
JP 60201025 3	A		NONE	
DE 4118265	A	19-12-1991	DE 4118265 A1	19-12-1991

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